

Field Trip No. 29.

Western Australia

20 - 30/9/1952

Key and Wallace

Yup

Western Australia — Key & Wallace.

20/9. King's Park — Green hairy species found on a plant with leaves of similar colour & texture. Dalkeith — a site on the edge of the river with numerous shells on sand between bamboo flanking the river and a bank near the road. *Pelargonium* and a species of *Hakea* to 6ft. *Cyphotettix* under *Hakea*.

21/9/52. 72946. ^{Moraba parva, Cedarina sp.} Wembley Beach. Proceeded south-east along West Coast Highway. Vegetated sand-dunes. Miscellaneous shrubs, ^{to 4ft.} incl. one rather larger silvery one (to 5ft.), much *Pelargonium*. 947. ^{Moraba} *Shorley laticornis*, *Prosedimura nana*, *Cedarina* sp. somewhat sparser heath & *Pelarg.* to 1ft. on vegetated dunes. 948. ^{Moraba laticornis, Prosedimura nana} 2 spp. of rough-barked euc. to 40 ft. (spec.) with healthy undergrowth, leading up to heath to 3ft. on vegetated dune. Scarab. on *Acacia* flowers. *Banksia* to 20ft. 949. ^{Cedarina sp.} Haldane Street. *Banksia* to 15ft., occ. euc., undergrowth somewhat sparser to 4ft., occ. *Macrozamia*. [All above localities on white sand.]

22/9.

73106. ^{sta. (Berkshire Valley to Coombedale)} From Kallaroo (by back route). / Rocky hill (shrub) ^{Cedarina sp.} weathering to a very red soil. *Casuarina* sp. to 7ft., a euc. (spec.) fringing base. Scarab. on euc. leaves. ^{Cedarina sp.} A. cruc. (2). 108. Coombedale. 113. Rocky quartzite (?)

Souria sp., *Umbra nigra*, *Austroicetes cruciata*
hill with *Casuarina* sp. to 15ft + shrubs of all
sizes underneath. Becoming to white sand at
base. 73/20. Moora.

23/9. 120. Moora. 122. Low stony quartzite (?) hill with
2 spp. *Casuarina* (tree to ~~20~~ 20ft, 1 shrub to 6ft.), large
Diandra (?) shrubs to 8ft, blackboys, & occ. small
shrubs + jams. No *Acridids*. 131. Apparently near-burnt
Conspicuous sp., *Pardillana* sp., *Austroicetes cruciata*
eucalypt-baked community (euc. to 30ft, baked to 10ft.)
with occ. smaller shrubs, much bare ground + fallen
sticks + bark, occ. salt plants. Flat, salty area. 140.

Crammore Park homestead. 144. Crammore Park gate
on Walkebing-Bundi Bindi road. 148. *Moraba* sp. n. 5,
massive *Cedarnia* sp., *A. conc.* (?) latent gravel
occ. outcrops on rise with heath to 5ft. + occ. euc.
ced. in cop. *Moraba laticornis*, *Cedarnia* sp.
to 20ft. 150. Walkebing. 153. Stony latent rise with
Caperrala sp., *Conspicuous* sp., *Azelota* sp., *Austroicetes cruciata*
heath 1-4ft., leading down to euc. to 30ft. 157. Heath
Cedarnia sp.
1-4ft., with some mallee to 7ft. latent, a little
gravel. 162. Waddington. 166. Scarabs flying about on
sub. clones - grass pasture. 172. New Norcia. 184. Open
Monistria lativittata, *Cedarnia* sp., *Conspicuous* sp., *Peakesia*
D.S.F. of a bloodwood (spec.) + a white-barked gum
Bumelia, *Chorizandra tenuifera*
with grey patches + flakes, esp. near base (spec.).
Understorey of heath to 18 in., somewhat sparse,
bare ground exposed, slightly gravelly latent. Almost
flat. Chok. in adjacent sub. clones pasture. 203.
Moraba laticornis, *Cedarnia* sp., *Heteropternis*
Bindoon. 208. Heath under greatly thinned bloodwood +
obscurella
white gum as before, with scattered regrowth + occ.
Moraba sp., *Pop.* *Podina nana* (?) *Asphodela*
blackboys. 215. Heath to 3ft. with scattered blood

Carbonaria, *Peckesia brumnea*
woods as before, occ. black boy & Banksia to 10ft. on
white sand, patches ^{occ.} lateritic gravel. 73226. Bullsbrook
241. Midland Junction.

26/9. 509. Katanning. Proceeds along Wagin road. 514.
Psedma nana, *Cedaria* sp., *Goniaca* sp., *Chorizandra*
Thunberg from wandoo (spec.); *Casuarina* sp., another
teschingeria
similar small rough-barked tree (spec.) (both to 15-20ft.),

& occ. jam. Short sparse natural pasture 3-6" with
small tussocks to 9" of stalky grass in patches.
Bare patches. Soil sandy loam with light lateritic
gravel. 514. Turn left along Avondale road. 521.

Acacia sp. & *Casuarina* to 10-20ft. leading down to
small creek with salt plants to 1ft. 522. Kojonup
road. 523. *Cedaria* sp., *Chorizandra*, *teschingeria*
wandoo, jam, *Casuarina*, same tree
sampled at 514, hakea to 10ft., small shrubs of
Hakea sp., etc., to 1ft., sparse natural pasture to
3in. with stalky tussocks to 9in., considerable
bare ground, sandy loam with light lateritic
gravel. [Back to Katanning, out along Albany road.]

Cedaria sp., *Goniaca* sp.
543. Jam, *Casuarina* 15-25ft., with occ. wandoo
regrowth. Rather mixed continuous sward of
grasses, forbs, & small shrubs to 6in. 544.
Katanning.

Cedaria sp., *Goniaca* sp., *Unisa*
27/9. 578. Kojonup. 586. DSF of wandoo some
negundo, *Peckesia brumnea*
jirrah (?) (spec.) to 5ft. with underground-stemmed
Xanthorrhoea & shrubs to 2ft. on pale sand with
moriba obscura, *Monistria maculicornis*,
lateritic gravel. 592. Heath 2-3 ft. in lower lying area,

Paedna nana (j), *Cedarinia* sp.
fringed with a shrub to 10ft. with dense foliage.
(spec.) *Compacted sand*, 73601. Heath 1-4ft., occ. mallee
Cirphula sp. n., *Securus* nov. 48
(spec.) 4-6ft. on low-lying area with very compact
pale soil due to water lying. Mainly *Myrtaceae*.
Coryphistes sp.
608. Large areas of smooth rock thinned from
Casuarina & trees to 20ft., patches *heptastemon* to
7ft., sparse pasture. 612. Turn-off to Wagon, near
Rothman's River. 618. Heath, consisting mainly of rather
large plants 3-5ft. with much bare ground between,
hard with lateritic gravel. Occ. *Casuarina* to 20ft.,
swandoo regrowth. 629. Wagon. 634. *Euc.* 1 with
rough bark to upper branches, smaller leaves &
rather tighter crown (spec.) & *Euc.* 2 with slightly more
flaky bark, otherwise closely similar, occ. *swandoo*.
Ground mainly ^{brown sandy loam} bare with little from trees, ^{very} sparse
pasture of mainly *Stipa*, tussocks. 638. Lume Lake.
Moraba obscura, *Cirphula* sp. n., *Umisia nigra*, *Peakesia brunnea*
Heath 1-3ft. on ^{very} white sand, ^{partly} *Umisia nigra*, *Peakesia brunnea*
Cedarinia sp., *Cirphula* sp. n., *Coryphistes* sp.
643. Boyerine. 646. Tall heath 3-5ft. on slope with
^{lateritic} *Peakesia brunnea*
brown granitic soil; also several mallee 6-10ft.
(spec.) & mallee type *swandoo* (?) (spec.). Mainly
Proteaceae. ~~to~~ Plants well spaced. 663. Katanning.
28/9. 663. Katanning. 668. Large heath 2-4ft. on ^{*Cedarinia* sp.} brown
^{slope with} soil with lateritic gravel. Largely *Proteaceae*.
Moraba obscura, *Umisia* sp., *Peakesia brunnea*
681. Heath & *Laurel* to 2ft. on pale sand and on
brown sandy loam with lateritic gravel on low
rise, the latter also with scattered mallee to 9ft.
(spec.)

Moraba obscura, *Cedarnia* sp.
73684. Badgerup. 689. Wandoo at apparently natural
sav. woodland density, undergrowth of low thin heath,
tussock grass & forbs to 1ft., much bare ground between
plants & litter. Patch of mallee (spec) under wandoo.
Soil pale compact sand, very light lateritic gravel.
689 Karoobup. 696. Moornaming. *Coryphobates* sp. *Salmon gum* (?) (spec.),
a york gum type of euc., both to 40 ft., several mallees to
15 ft., myrtaceous shrubs to 6 ft., occ. jam (spec.). occ.
small shrubs to 1ft., bare ground, litter, on brown
sandy loam. 700. Nyabing. 708. *Chorizanthe tenuifolia* *Pycnostictus* sp. n.,
red brown soil bearing a euc. to 50 ft., rough close
bark to main branches, then smooth grey, leaves narrow
shiny. Grass tussocks to 6 in. numerous, bare
ground, occ. small shrubs. low chenopodiaceous
herbs. 719 Grass at edge of shallow flat bearing
several salt plants, *Mesembrianthemum* sp. & occ.
shrubby saltbush, 1-2 ft. *Chor.* on pale sand.
725. Pingonp. 733. Smooth grey-barked euc. 25-30 ft.
with myrtaceous shrubs 4-10 ft., ground completely
bare, pale gray sand, some litter. 736. Heath to 2 ft.
on light brown sandy loam, produced by regrowth from
much taller heath after rolling. 744. Two eucs. with
rough bark on ca. basal 10 ft. then smooth pale, to
30-40 ft., undergrowth shrubby spp. of saltbush,
leading down to saltbush & salt plants fringing
small lake. One euc. with bark gray, other black
(spec. of both.)

- ^{Moraba sp., Cedarinia sp., Comphostia sp.,}
75/56. Lake Grace, 780. On newdegate road. Turn round.
^{Umisia rugosa, Hyalota sp.}
 Heath 1-3ft. with mallee ~~to~~ (scattered) 4-8ft., leading
 to a patch of salmon gums with no undergrowth,
 some litter. All on white sand, gently undulating.
29/9. 806. Lake Grace. Proceeded along newdegate road.
^{Moraba sp. n. 6}
823. Turn round. Heath 1-3ft. on sand with a little
 lateritic gravel. Scattered mallee to 8ft. 824. Heath
^{Cedarinia sp., Prosopis sp.}
 1-3ft. with scattered *Grevillea* ? *accedior*, *Casuarina*
sp. & mallee (spec.) to 10ft., leading to *Grevillea*,
Casuarina sp. & *Acacia sp.* 5-10ft. rather widely
 spaced, with sparse grass tussocks 9in. in diam.
 and occ. low shrubs in between. On light yellow-
 brown sand. ^{Moraba sp., Moraba obocura, Comphostia sp.,}
836. Heath, mainly 1-2ft., on white
^{Umisia rugosa, Umisiella rubropunctata}
 sand, with lateritic gravel in patches. 839. Lake Grace.
^{Coryphostia sp., Genus nov. 4/9, Apotrope sp.}
841. *Hakea sp.* to 8ft. (spec.), spaced rather more widely
 than width of shrub, with understory of 2 spp. of
 saltbush (spec.) 1-2ft. and ground flora of
Mesembryanthemum (two spec. from earlier locality)
 and various lichens. Light brown compacted sand,
 heads down to blackbutt and saltbush at lower
 level. Between *Hakea* & blackbutt is a zone of
 saltbush only. Here there are also a few low
 shrubs (9in.) of a small-leaved sclerophyllous
 shrub. Yellow-legged sp. mainly in this last zone.
843. Mablac. 853. Tarim Rock. Heath regenerating
 after burning some years previously. Originally

2-5ft, now ca. 2ft. Malles occupying ca. $\frac{1}{2}$ the cover,
originally to 6-8ft., now 3-5ft. light brown compact
sand, patches lateritic gravel. ⁷³⁸⁶³. Turned off to
Kukerin. ⁸⁶⁵. Kukerin. ⁸⁶⁶. Mallee (spec.) 6-12ft. with
^{Moraba obscura, Cedaria sp.,}
^{Compilistia sp., Gumus nov. 48.}
understory of heath shrubs 1-5ft. on red-brown
sandy loam, some lateritic gravel. ⁸⁸². Salmon gum
to 50ft. mallee 15-20ft., occ. shrubs 5-6ft., bare light
brown soil, litter. ⁸⁹⁰. Dumbleyung. ⁸⁹⁶. Tuppering.
^{Moraba obscura, Cedaria sp., Compilistia sp., Litsea}
⁹⁰². Wandoo and salmon gum to 50ft. with ^{Lant.}
^{rugosa} above ground & heath shrubs of varying density to
1-5ft. Occ. patches mallee to 5ft., ^(1-3ft.) opening out into
open heath, with ^{Lant.} towards top of rise. On
compact ^{pale} sandy loam soil with ^{thin} lateritic
gravel in places. ⁹¹⁴. Wagin.
^{30/9}. ⁹¹⁴. Wagin. ⁹³³. Arthur R. River. ⁹⁵⁶. Williams.
^{Moraba obscura, Gomata sp., Buforania sp., Psedna nana (S.)}
⁹⁶². Wandoo to 50ft. with tall ^{Lanthorrhoea} and
heath, mainly 1-2ft., some 2-4ft., on pale soil with
light lateritic gravel. ⁹⁸¹. Crossman. ⁹⁸⁴. Wandoo,
^{Monistria maculigonia, Moraba obscura, Compilistia sp., Rylata sp.,}
maple & rather less jarrah (?) (spec.) to 60ft. with heath
^{Peakesia brumica, Chotoicetes tenuifera}
undergrowth to 2ft., occ. tall ^{Lant.}. Brown soil with
lateritic gravel. Slightly ^{thin}. ⁹⁸⁸. Bannister.
^{Parakettia argillacea, Peronotettix sp., Moraba obscura,}
⁹⁹⁵. Small creek with fairly broad flat area (ca. 100 yds.) on
^{Cedaria sp., Gumus nov. 25, Peakesia brumica.}
each side with heath & swampy plants to 1-4, occ. 6ft.,
fringed by wandoo, ^(?) leading to jarrah to 80ft. with
heath 1-3ft. ^{Telrigia} on ~~swampy~~ patches damp soil
on flat. ^{Moraba} commonest on flat. ⁹⁹⁷. North Bannister.

Moraba obscura

74005. Jarrah and some mallee units full of canth. & heath to 1ft., but perhaps not present. Complete cover of lateritic gravel & some outcropping. Occ. Banksia to 15ft. 009. Left road for Mt. Cooke. 010. Left track. Top of ridge (ca. 200 ft. from highest point). Wandoo & mallee to 15-20ft. among coarse-grained rocks, including some extensive rounded rock faces. Heath here to 2-3ft., elsewhere dense to 1ft., with *M. obscura* & *Corymbia* sp. tall canth. All species from within 200ft. of top. 011. Return to road. 024. Jarrah & a little mallee to 70-80ft. with Banksia & Casuarina to 30ft., some euc. regrowth. Heath understory to 2ft., in places, mainly monocotyledonous, Papaya, tall canth. & underground canth. Massive laterite outcropping. 038. Armadale.